

CRFE

SEARCH REQUEST FORM

Scientific and Technical Information Center

4/17

Requester's Full Name: DAVID GUZO Examiner #: 70677 Date: 4/13/06

Art Unit: 1636

Phone Number 30222-0767

Serial Number: 10/764553

Mail Box and Bldg/Room Location:

Rmamn 2A29

Results Format Preferred (circle) PAPER DISK E-MAIL

Mailbox: 2C70

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc. if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

MG

Title of Invention:

Inventors (please provide full names):

Earliest Priority Filing Date:

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please run a regular plus interference sequence search
on SEQ ID NO: 2.

Thanks2-2661a
LB4/18
W/L

APR 13 2006
SEARCHED (S)
INDEXED (I)
MAILED (M)

RECEIVED

STAFF USE ONLY

Searcher: Port

Type of Search

NA Sequence (#)

Vendors and cost where applicable

STN



PALM INTRANET

Day : Thursday
Date: 4/13/2006

Time: 11:36:34

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name

First Name

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | Home page

Set	Items	Description
? set hi ;set hi		
HIGHLIGHT	set on as ''	
HIGHLIGHT	set on as ''	
? begin	5,6,55,154,155,156,312,399,biotech,biosci	
>>>	135	is unauthorized
>>>	44	is unauthorized

Set Items Description
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? s tuberculosis and rel
 915544 TUBERCULOSIS
 31519 REL
 S1 152 TUBERCULOSIS AND REL
? s s1 and ojha
 152 S1
 106 OJHA
 S2 0 S1 AND OJHA
? s s1 and RelA
 152 S1
 13045 RELA
 S3 27 S1 AND RELA
? rd s3

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
 S4 13 RD S3 (unique items)
? d s4/3/1-13
 Display 4/3/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.

0012701075 BIOSIS NO.: 200000419388
The stringent response of *Mycobacterium tuberculosis* is required for long-term survival
AUTHOR: Primm Todd P; Andersen Susan J; Mizrahi Valerie; Avarbock David; Rubin Harvey; Barry Clifton E III (Reprint)
AUTHOR ADDRESS: Tuberculosis Research Section, LHD/NIAID, National Institutes of Health, 12441 Parklawn Dr., Twinbrook II, Room 239, Rockville, MD, 20852, USA**USA
JOURNAL: Journal of Bacteriology 182 (17): p4889-4898 September, 2000 2000
MEDIUM: print
ISSN: 0021-9193
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

- end of record -
?
 Display 4/3/2 (Item 1 from file: 154)
DIALOG(R)File 154:MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

15375655 PMID: 15774887
 The *relA* homolog of *Mycobacterium smegmatis* affects cell appearance, viability, and gene expression.
 Dahl John L; Arora Kriti; Boshoff Helena I; Whiteford Danelle C; Pacheco Sophia A; Walsh Olaus J; Lau-Bonilla Dalia; Davis William B; Garza Anthony G
 School of Molecular Biosciences, Washington State University, Science Hall, Room 301, Pullman, WA 99164, USA. johndahl@wsu.edu
 Journal of bacteriology (United States) Apr 2005, 187 (7) p2439-47,
ISSN 0021-9193--Print Journal Code: 2985120R
 Contract/Grant No.: AI-75320; AI; NIAID
 Publishing Model Print
 Document type: Journal Article
 Languages: ENGLISH
 Main Citation Owner: NLM
 Record type: MEDLINE; Completed

- end of record -
?
 Display 4/3/3 (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.

143127425 CA: 143(8)127425u JOURNAL
Identification and characterization of rel promoter element of
Mycobacterium tuberculosis
AUTHOR(S): Jain, Vikas; Sujatha, Subbanna; Ojha, Anil Kumar; Chatterji,
Deepankar
LOCATION: Molecular Biophysics Unit, Indian Institute of Science,
Bangalore, 560 012, India
JOURNAL: Gene (Gene) DATE: 2005 VOLUME: 351, PAGES: 149-157 CODEN:
GENED6 ISSN: 0378-1119 PUBLISHER ITEM IDENTIFIER: 0378-1119(05)00148-4
LANGUAGE: English PUBLISHER: Elsevier B.V.

- end of record -

?

Display 4/3/4 (Item 2 from file: 399)
DIALOG(R) File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.

142442913 CA: 142(24)442913e PATENT
Mycobacteria relA gene promoter for high-throughput screening for
inhibitors against Mycobacteria under low carbon conditions
INVENTOR(AUTHOR): Chatterjee, Deepankar
LOCATION: USA
ASSIGNEE: Council of Scientific & Industrial Research
PATENT: U.S. Pat. Appl. Publ. ; US 20050095252 A1 DATE: 20050505
APPLICATION: US 2004764553 (20040127) *US 2003PV442511 (20030127)
PAGES: 20 pp. CODEN: USXXCO LANGUAGE: English
PATENT CLASSIFICATIONS:
CLASS: 424168100; A61K-039/40A; C12Q-001/68B; G01N-033/554B;
G01N-033/569B; C12N-015/74B; C12N-001/21B

- end of record -

?

Display 4/3/5 (Item 1 from file: 24)
DIALOG(R) File 24:CSA Life Sciences Abstracts
(c) 2006 CSA. All rts. reserv.

0001989789 IP ACCESSION NO: 4569434
Cloning and characterization of a bifunctional RelA/SpoT homologue
from Mycobacterium tuberculosis

Avarbock, D; Salem, J; Li, LS; Wang, ZM; Rubin, H
Division of Infectious Diseases, Department of Medicine, University of
Pennsylvania, School of Medicine, Philadelphia, PA 19104, USA

Gene, v 233, n 1-2, p 261-269, June 11, 1999
PUBLICATION DATE: 1999

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English

-more-

?

Display 4/3/5 (Item 1 from file: 24)
DIALOG(R) File 24:CSA Life Sciences Abstracts
(c) 2006 CSA. All rts. reserv.
SUMMARY LANGUAGE: English
ISSN: 0378-1119
FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Nucleic Acids
Abstracts; Genetics Abstracts

- end of record -

?

Display 4/3/6 (Item 1 from file: 34)
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

14182978 Genuine Article#: 947FF No. References: 21
Title: Functional regulation of the opposing (p)ppGpp synthetase/hydrolase activities of Rel(Mtb) from *Mycobacterium tuberculosis*
Author(s): Avarbock A; Avarbock D; Teh JS; Buckstein M; Wang ZM; Rubin H (REPRINT)
Corporate Source: Univ Penn,Sch Med, Dept Med, Div Infect Dis,522 Johnson Pavil/Philadelphia//PA/19104 (REPRINT); Univ Penn,Sch Med, Dept Med, Div Infect Dis,Philadelphia//PA/19104(rubinh@mail.med.upenn.edu)
Journal: BIOCHEMISTRY, 2005, V44, N29 (JUL 26), P9913-9923
ISSN: 0006-2960 Publication date: 20050726
Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

- end of record -

?
Display 4/3/7 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

12436095 Genuine Article#: 766VD No. References: 18
Title: Deletion of the *rel* gene in *Mycobacterium smegmatis* reduces its stationary phase survival without altering the cell-surface associated properties
Author(s): Mathew R; Ojha AK; Karande AA; Chatterji D (REPRINT)
Corporate Source: Indian Inst Sci,Mol Biophys Unit,Bangalore 560012/Karnataka/India/ (REPRINT); Indian Inst Sci,Mol Biophys Unit,Bangalore 560012/Karnataka/India/; Indian Inst Sci,Dept Biochem,Bangalore 560012/Karnataka/India/; Indian Inst Sci,Jawaharlal Nehru Ctr Adv Sci Res,Bangalore 560064/Karnataka/India/
Journal: CURRENT SCIENCE, 2004, V86, N1 (JAN 10), P149-153
ISSN: 0011-3891 Publication date: 20040110
Publisher: CURRENT SCIENCE ASSN, C V RAMAN AVENUE, PO BOX 8005, BANGALORE 560 080, INDIA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

- end of record -

?
Display 4/3/8 (Item 3 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

10659221 Genuine Article#: 552AP No. References: 51
Title: Intramolecular regulation of the opposing (p)ppGpp catalytic activities of Rel(Seq), the Rel/Spo enzyme from *Streptococcus equisimilis*
Author(s): Mechold U; Murphy H; Brown L; Cashel M (REPRINT)
Corporate Source: NICHHD,Genet Mol Lab, NIH,Bldg 6B,Room 3B-314/Bethesda//MD/20892 (REPRINT); NICHHD,Genet Mol Lab, NIH,Bethesda//MD/20892
Journal: JOURNAL OF BACTERIOLOGY, 2002, V184, N11 (JUN), P2878-2888
ISSN: 0021-9193 Publication date: 20020600
Publisher: AMER SOC MICROBIOLOGY, 1752 N ST NW, WASHINGTON, DC 20036-2904 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

- end of record -

?
Display 4/3/9 (Item 4 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

09930331 Genuine Article#: 466AH No. References: 96
Title: Comparative genomics and evolution of genes encoding bacterial (p)ppGpp synthetases/hydrolases (the *rel*, *RelA* and *SpoT* proteins)
Author(s): Mittenhuber G (REPRINT)
Corporate Source: Univ Greifswald,Inst Mikrobiol & Mol Biol,FL Jahnstr 15/D-17487 Greifswald//Germany/ (REPRINT); Univ Greifswald,Inst

Mikrobiol & Mol Biol, D-17487 Greifswald//Germany/
Journal: JOURNAL OF MOLECULAR MICROBIOLOGY AND BIOTECHNOLOGY, 2001, V3, N4
(OCT), P585-600
ISSN: 1464-1801 Publication date: 20011000
Publisher: HORIZON SCIENTIFIC PRESS, PO BOX 1, NORFOLK, WYMONDHAM NR18 0JA,
ENGLAND
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

- end of record -

?
Display 4/3/10 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE
(c) 2006 Elsevier Science B.V. All rts. reserv.

12629260 EMBASE No: 2004207101
The two NF-kappaB activation pathways and their role in innate and
adaptive immunity
Bonizzi G.; Karin M.
G. Bonizzi, Department of Pharmacology, School of Medicine, University of
California San Diego, 9500 Gilman Drive, San Diego, CA 92093-0636 United
States
AUTHOR EMAIL: giuseppina.bonizzi@ieo-research.it
Trends in Immunology (TRENDS IMMUNOL.) (United Kingdom) 01 JUN 2004,
25/6 (280-288)
CODEN: TIRMA ISSN: 1471-4906
PUBLISHER ITEM IDENTIFIER: S1471490604001000
DOCUMENT TYPE: Journal ; Review
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 64

- end of record -

?
Display 4/3/11 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE
(c) 2006 Elsevier Science B.V. All rts. reserv.

11802486 EMBASE No: 2002374605
Respiratory syncytial virus-induced activation of nuclear factor-kappaB
in the lung involves alveolar macrophages and toll-like receptor
4-dependent pathways
Haeberle H.A.; Takizawa R.; Casola A.; Brasier A.R.; Dieterich H.-J.; Van
Rooijen N.; Gatalica Z.; Garofalo R.P.
Dr. R.P. Garofalo, Dept. of Pediatrics, University of Texas Medical
Branch, 301 University Blvd., Galveston, TX 77555-0369 United States
AUTHOR EMAIL: rpgarofa@utmb.edu
Journal of Infectious Diseases (J. INFECT. DIS.) (United States) 01
NOV 2002, 186/9 (1199-1206)
CODEN: JIDIA ISSN: 0022-1899
DOCUMENT TYPE: Journal ; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 50

- end of record -

?
Display 4/3/12 (Item 1 from file: 98)
DIALOG(R)File 98:General Sci Abs
(c) 2005 The HW Wilson Co. All rts. reserv.

04045893 H.W. WILSON RECORD NUMBER: BGSA99045893 (USE FORMAT 7 FOR
FULLTEXT)
Inorganic polyphosphate: a molecule of many functions.
Kornberg, Arthur
Rao, Narayana N; Ault-Riche, Dana
Annual Review of Biochemistry v. 68 (1999) p. 89-125
SPECIAL FEATURES: bibl il ISSN: 0066-4154
LANGUAGE: English
COUNTRY OF PUBLICATION: United States
WORD COUNT: 14462

- end of record -

?
Display 4/3/13 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01779515 ORDER NO: AADAA-I9989566
Biochemical characterization of Rel(Mtb), a dual-function ATP: GTP
3'-pyrophosphoryltransferase and (p)ppGpp 3'-pyrophosphohydrolase:
Implications for Mycobacterium tuberculosis dormancy
Author: Avarbock, David Howard
Degree: Ph.D.
Year: 2000
Corporate Source/Institution: University of Pennsylvania (0175)
Source: VOLUME 61/10-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 5289. 173 PAGES
ISBN: 0-599-96616-5

- end of record -

? d s4/9/1
Display 4/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.

0012701075 BIOSIS NO.: 200000419388
The stringent response of Mycobacterium tuberculosis is required for
long-term survival
AUTHOR: Primmm Todd P; Andersen Susan J; Mizrahi Valerie; Avarbock David;
Rubin Harvey; Barry Clifton E III (Reprint)
AUTHOR ADDRESS: Tuberculosis Research Section, LHD/NIAID, National
Institutes of Health, 12441 Parklawn Dr., Twinbrook II, Room 239,
Rockville, MD, 20852, USA**USA
JOURNAL: Journal of Bacteriology 182 (17): p4889-4898 September, 2000 2000
MEDIUM: print
ISSN: 0021-9193
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: The stringent response utilizes hyperphosphorylated guanine

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Display 4/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.
((p)ppGpp) as a signaling molecule to control bacterial gene expression
involved in long-term survival under starvation conditions. In
gram-negative bacteria, (p)ppGpp is produced by the activity of the
related ***RelA*** and SpoT proteins. Mycobacterium ***tuberculosis***
contains a single homolog of these proteins (RelMtb) and responds to
nutrient starvation by producing (p)ppGpp. A relMtb knockout strain was
constructed in a virulent strain of M. ***tuberculosis***, H37RV, by
allelic replacement. The relMtb mutant displayed a significantly slower
aerobic growth rate than the wild type in synthetic liquid media, whether
rich or minimal. The growth rate of the wild type was equivalent to that
of the mutant when citrate or phospholipid was employed as the sole
carbon source. These two organisms also showed identical growth rates
within a human macrophage-like cell line. These results suggest that the
in vivo carbon source does not represent a stressful condition for the
bacilli, since it appears to be utilized in a similar RelMtb-independent
manner. In vitro growth in liquid media represents a condition that
benefits from RelMtb-mediated adaptation. Long-term survival of the

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Display 4/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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relMtb mutant during in vitro starvation or nutrient run out in normal media was significantly impaired compared to that in the wild type. In addition, the mutant was significantly less able to survive extended anaerobic incubation than the wild-type virulent organism. Thus, the RelMtb protein is required for long-term survival of pathogenic mycobacteria under starvation conditions.

DESCRIPTORS:

MAJOR CONCEPTS: Cell Biology; Metabolism; Nutrition

BIOSYSTEMATIC NAMES: Mycobacteriaceae--Mycobacteria, Actinomycetes and Related Organisms, Eubacteria, Bacteria, Microorganisms

ORGANISMS: **Mycobacterium tuberculosis** (Mycobacteriaceae)--strain-H37Rv

COMMON TAXONOMIC TERMS: Bacteria; Eubacteria; Microorganisms

CHEMICALS & BIOCHEMICALS: RelA; SpoT; hyperphosphorylated guanine ; **Mycobacterium tuberculosis** rel gene

MISCELLANEOUS TERMS: cell survival; gene expression; stringent response

-more-

? d s4/9/5

Display 4/9/5 (Item 1 from file: 24)

DIALOG(R)File 24:CSA Life Sciences Abstracts

(c) 2006 CSA. All rts. reserv.

0001989789 IP ACCESSION NO: 4569434

Cloning and characterization of a bifunctional RelA/SpoT homologue from **Mycobacterium tuberculosis**

Avarbock, D; Salem, J; Li, LS; Wang, ZM; Rubin, H
Division of Infectious Diseases, Department of Medicine, University of Pennsylvania, School of Medicine, Philadelphia, PA 19104, USA

Gene, v 233, n 1-2, p 261-269, June 11, 1999

PUBLICATION DATE: 1999

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

-more-

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Display 4/9/5 (Item 1 from file: 24)

DIALOG(R)File 24:CSA Life Sciences Abstracts

(c) 2006 CSA. All rts. reserv.

SUMMARY LANGUAGE: English

ISSN: 0378-1119

FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Nucleic Acids Abstracts; Genetics Abstracts

ABSTRACT:

A 2.2 kb ***relA*** /spoT homologue was isolated from **Mycobacterium tuberculosis** (Mtb) genomic DNA by PCR-amplification. The Mtb gene encodes a protein of 738 amino acid residues, and is flanked upstream by an ORF that is highly similar to the apt gene, and downstream by an ORF that is highly similar to the cypH gene. This dual function Mtb homologue belongs to the relA/spoT family of genes that mediate the stringent response by regulating the synthesis and degradation of guanosine 3',5'-bis(diphosphate) (ppGpp) and pppGpp. In vitro biochemical data indicate that purified Rel sub(Mtb) is a ribosome- and tRNA-independent ATP:GTP/GDP/ITP 3'-pyrophosphoryltransferase. Additionally, purified Rel sub(Mtb) is an Mn super(2+)-dependent,

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Display 4/9/5 (Item 1 from file: 24)

DIALOG(R)File 24:CSA Life Sciences Abstracts

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ribosome and tRNA-independent, (p)ppGpp 3'-pyrophosphohydrolase. These reactions were also assessed in vivo in E. coli deleted in both the ***relA*** and spoT genes, which generates a (p)ppGpp super(0) phenotype. Rel sub(Mtb) can suppress this phenotype and can generate more (p)ppGpp than ***relA*** in the wild type E. coli control.

DESCRIPTORS: DNA; Polymerase chain reaction; Gene amplification; SpoT protein; RelA protein; Mycobacterium tuberculosis
SUBJ CATG: 02740, Genetics and evolution; 14640, Structure & sequence; 07320, Bacterial genetics

- end of record -

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Set	Items	Description
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HIGHLIGHT	set on as ''	
HIGHLIGHT	set on as ''	
? begin 5,6,55,154,155,156,312,399,biotech,biosci		
>>> 135	is unauthorized	

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Set Items Description
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? s mycobacteria and (rel or relA)
    158213 MYCOBACTERIA
    31601 REL
    13093 RELA
    S1      71 MYCOBACTERIA AND (REL OR RELA)
? s mycobacteria and (rel or relA or "relA/SpoT")
    158213 MYCOBACTERIA
    31601 REL
    13093 RELA
        4 RELA/SPOT
    S2      71 MYCOBACTERIA AND (REL OR RELA OR "RELA/SPOT")
? rd s2

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
    S3      27 RD S2 (unique items)
? s mycobacteria and (rel or relA or "relA/SpoT") (5n) promoter?
    158213 MYCOBACTERIA
    31601 REL
    13093 RELA
        4 RELA/SPOT
    1258435 PROMOTER?
        1049 ((REL OR RELA) OR RELA/SPOT) (5N) PROMOTER?
    S4      13 MYCOBACTERIA AND (REL OR RELA OR "RELA/SPOT") (5N)
            PROMOTER?
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? rd s4
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>>>Duplicate detection is not supported for File 391.
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>>>Records from unsupported files will be retained in the RD set.
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    S5      5 RD S4 (unique items)
? d s5/3/1-5
    Display 5/3/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.
```

```
0015468249 BIOSIS NO.: 200510162749
```

Identification and characterization of **rel** promoter element of
Mycobacterium tuberculosis

AUTHOR: Jain Vikas; Sujatha Subbanna; Ojha Anil Kumar; Chatterji Dipankar
(Reprint)

AUTHOR ADDRESS: Indian Inst Sci, Mol Biophys Unit, Bangalore 560012,
Karnataka, India**India

AUTHOR E-MAIL ADDRESS: dipankar@mbu.iisc.ernet.in

JOURNAL: Gene (Amsterdam) 351 p149-157 MAY 23 2005 2005

ISSN: 0378-1119

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

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    Display 5/3/2 (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.
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```
142445863 CA: 142(24)445863z JOURNAL
```

Mycobacteria Inhibition of IFN- γ Induced HLA-DR Gene Expression by
Up-Regulating Histone Deacetylation at the Promoter Region in Human THP-1
Monocytic Cells

AUTHOR(S): Wang, Yue; Curry, Heather M.; Zwilling, Bruce S.; Lafuse,
William P.

LOCATION: Departments of Molecular Virology, Immunology, and Medical
Genetics, Ohio State University, Columbus, OH, 43210, USA

JOURNAL: J. Immunol. (Journal of Immunology) DATE: 2005 VOLUME: 174

NUMBER: 9 PAGES: 5687-5694 CODEN: JOIMA3 ISSN: 0022-1767 LANGUAGE:
English PUBLISHER: American Association of Immunologists

- end of record -

?
Display 5/3/3 (Item 2 from file: 399)
DIALOG(R) File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.

142442913 CA: 142(24)442913e PATENT
Mycobacteria relA gene promoter for high-throughput screening for
inhibitors against Mycobacteria under low carbon conditions
INVENTOR(AUTHOR): Chatterjee, Deepankar
LOCATION: USA
ASSIGNEE: Council of Scientific & Industrial Research
PATENT: U.S. Pat. Appl. Publ. ; US 20050095252 A1 DATE: 20050505
APPLICATION: US 2004764553 (20040127) *US 2003PV442511 (20030127)
PAGES: 20 pp. CODEN: USXXCO LANGUAGE: English
PATENT CLASSIFICATIONS:
CLASS: 424168100; A61K-039/40A; C12Q-001/68B; G01N-033/554B;
G01N-033/569B; C12N-015/74B; C12N-001/21B

- end of record -

?
Display 5/3/4 (Item 3 from file: 399)
DIALOG(R) File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.

121074885 CA: 121(7)74885f JOURNAL
Transcription and expression analysis, using lacZ and phoA gene fusions,
of Mycobacterium fortuitum β-lactamase genes cloned from a natural
isolate and a high-level β-lactamase producer
AUTHOR(S): Timm, J.; Perilli, M. G.; Duez, C.; Trias, J.; Orefici, G.;
Fattorini, L.; Amicosante, G.; Oratore, A.; Joris, B.; et al.
LOCATION: Unite Genet. Mycobact., Inst. Pasteur, 75724, Paris, Fr.
JOURNAL: Mol. Microbiol. DATE: 1994 VOLUME: 12 NUMBER: 3 PAGES:
491-504 CODEN: MOMIEE ISSN: 0950-382X LANGUAGE: English

- end of record -

?
Display 5/3/5 (Item 1 from file: 357)
DIALOG(R) File 357:Derwent Biotech Res.
(c) 2006 Thomson Derwent & ISI. All rts. reserv.

0370433 DBR Accession No.: 2005-16139 PATENT
New promoter derived from Mycobacterium tuberculosis, useful for high
throughput screening and developing inhibitors of M. tuberculosis under
low carbon or starved conditions - promoter and expression vector for
use in drug screening and high throughput screening
AUTHOR: CHATTERJEE D
PATENT ASSIGNEE: COUNCIL SCI and IND RES INDIA 2005
PATENT NUMBER: US 20050095252 PATENT DATE: 20050505 WPI ACCESSION NO.:
2005-344982 (200535)
PRIORITY APPLIC. NO.: US 764553 APPLIC. DATE: 20040127
NATIONAL APPLIC. NO.: US 764553 APPLIC. DATE: 20040127
LANGUAGE: English

- end of record -

?
? s pGEMT (n) easy and mycobacter?
207 PGEMT
474066 EASY
63 PGEMT(N) EASY
464198 MYCOBACTER?
S6 0 PGEMT (N) EASY AND MYCOBACTER?
? s pGEMT and (rel or relA)
207 PGEMT
31601 REL
13093 RELA

S7 0 PGEMT AND (REL OR RELA)

? e au=chatterjee, deepankar

Ref	Items	Index-term
E1	1	AU=CHATTERJEE, DEBRATA
E2	11	AU=CHATTERJEE, DEEPAK KUMAR
E3	1	*AU=CHATTERJEE, DEEPANKAR
E4	334	AU=CHATTERJEE, DELPHI
E5	1	AU=CHATTERJEE, DEVARSHI
E6	43	AU=CHATTERJEE, DEVASIS
E7	42	AU=CHATTERJEE, DEVESH
E8	21	AU=CHATTERJEE, DEVJANI
E9	6	AU=CHATTERJEE, DEVNANDAN
E10	1	AU=CHATTERJEE, DHEEMAN
E11	20	AU=CHATTERJEE, DHIMAN
E12	5	AU=CHATTERJEE, DHRUBA J.

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? e au=chatterjee deepankar

Ref	Items	Index-term
E1	5	AU=CHATTERJEE DEBDUTTA
E2	3	AU=CHATTERJEE DEBNATH M
E3	0	*AU=CHATTERJEE DEEPANKAR
E4	119	AU=CHATTERJEE DELPHI
E5	1	AU=CHATTERJEE DEVASHIS
E6	97	AU=CHATTERJEE DEVASIS
E7	21	AU=CHATTERJEE DEVJANI
E8	2	AU=CHATTERJEE DEVLINA
E9	16	AU=CHATTERJEE DHIMAN
E10	12	AU=CHATTERJEE DHRUBA J
E11	1	AU=CHATTERJEE DHRUBA P
E12	3	AU=CHATTERJEE DILIP

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